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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/902,250	07/10/2001	Gerald T. Mcarini	0937.0016	9551
7590	10/08/2004		EXAMINER	
D. Joseph English, Esquire Duane Morris LLP 1667 K Street, NW Suite 700 Washington, DC 20006			FULLER, ERIC B	
			ART UNIT	PAPER NUMBER
			1762	
DATE MAILED: 10/08/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/902,250	MEARINI ET AL.	
	Examiner	Art Unit	
	Eric B Fuller	1762	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 27 July 2004.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) 11-19, 21 and 22 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-10, 20, 23 and 24 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 13 September 2001 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some *
 - c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

DETAILED ACTION

Election/Restrictions

Applicant's election with traverse of Group I, claims 1-10 and 20, and newly added claims 23 and 24, in the reply filed on July 27, 2004 is acknowledged. The traversal is on the grounds that there would be no serious burden on the examiner. This is not found persuasive because a serious burden exists in the different issues likely to arise during prosecution of the different inventions.

Applicant further argues that the system of Group II is used for deposition and therefore the ability for it to perform an etching process does not make it distinct. This is not found persuasive. The intended use of the system does not bear any patentable weight on the apparatus claims. As noted previously, the inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case, the apparatus, as claimed, may be used to perform an etching method, which is distinct from the method claims.

The requirement is still deemed proper and is therefore made FINAL.

Drawings

Figures 1A and 1B should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed

drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 2, 3, 6, 23, and 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Debley et al. (US 5,529,671).

Debley teaches providing multiple substrates (column 8, lines 1-2; figure 4, refs. 63 and 64), a fixed ion source (column 7, lines 60-65; figure 4, ref. 19), a selectively movable target (evaporator) that is positioned at a standby position and source deposition location (figure 4, ref. 51), and material is deposited on the substrates. The shutters are taught (figure 4, line 20). Multiple targets that are moved into the source deposition location are taught (column 8, lines 9-29; figure 4, refs. 51' and 51").

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and

the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 4 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Debley et al. (US 5,529,671), as applied to claim 3 above, and further in view of Kelley et al. (US 4,101,925).

Debley teaches the limitations of claim 3, as shown above, but fails to explicitly teach rotating the substrate. However, Kelley teaches that the speed at which the substrate is rotated is significant in achieving thin uniform layers (column 3, lines 58-65). Speeds within the applicant's claims are taught. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to rotate the substrates of Debley by the speeds taught by Kelley. By doing so, one would reap the benefits of achieving uniform films.

Allowable Subject Matter

Claim 1 is allowed.

Claims 5 and 7-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: The prior art fails to teach, or make obvious, the limitation of ceasing deposition of the layer prior to achieving target thickness, by shuttering the substrates, then

independently unshuttering the substrates to resume deposition in order to achieve target thickness, in combination with the limitations from which they depend.

Response to Arguments

Applicant's arguments in response to the election requirement have been addressed above.

Applicant's amendments to overcome the rejections based on 35 USC 101 and 112 are sufficient.

Applicant argues that Debly fails to teach an "evaporator". This argument is not found convincing. The specification lacks an explicit teaching on what is meant by an "evaporator". From the specification, the broadest reasonable interpretation that can be given to the word "evaporator" is a target for an ion source. The target in Debly reads on this.

Applicant argues that Debly fails to teach that the position of the target is further from the ion source in standby mode, as has been added by amendment. This argument is not found convincing. As the two-sided target is rotated, the target material on the side not being hit by the ion source is indeed further from the ion source.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

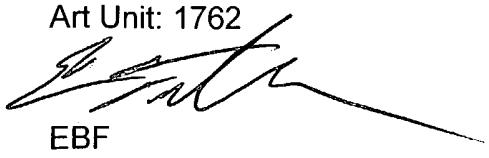
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric B Fuller whose telephone number is (571) 272-1420. The examiner can normally be reached on Mondays through Thursdays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shrive P Beck, can be reached on (571) 272-1415. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit: 1762



EBF



SHIRLEY P. BECK

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1700